
Subject: Re: IDL or OpenLook "feature"?

Posted by [hatay](#) on Fri, 13 Aug 1993 06:01:45 GMT

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In article <JDLB.93Aug12174948@kukui.ifa.hawaii.edu> jdlb@ifa.hawaii.edu writes:

>
> I just lost my IDL session for the nth time. Sometimes when I use a widget
> application, IDL crashes with a bus error, segmentation fault, or other
> error. This time, I got an error from Open Look:
>
> IDL> xloadct
> % Compiled module: XLOADCT.
> % Compiled module: XREGISTERED.
> OPEN LOOK Toolkit Error in application "idl": Can't allocate gray pixel
>
> Is OpenLook forcing IDL to exit? Or is IDL responding poorly to life's
> vicissitudes? Has anybody else had widget problems?
>
> --Jeff

I suggest reading openwin3.doc in idl/notes directory. It has some recipes for fixing some titsy bitsy yet annoying behaviors under Sun OpenWindows similar to yours.

Subject: Re: IDL or OpenLook "feature"?

Posted by [offenbrg](#) on Fri, 13 Aug 1993 15:15:19 GMT

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jdlb@kukui.ifa.hawaii.edu (J-F Pitot de La Beaujardiere) writes:

> I just lost my IDL session for the nth time. Sometimes when I use a widget
> application, IDL crashes with a bus error, segmentation fault, or other
> error. This time, I got an error from Open Look:

> IDL> xloadct
> % Compiled module: XLOADCT.
> % Compiled module: XREGISTERED.
> OPEN LOOK Toolkit Error in application "idl": Can't allocate gray pixel

Add this to your .Xdefaults file (or .Xdefaults.opn or whatever you call it):

Idl*colors: -5

This tells IDL when it starts up that it should not hog all of the colortable (which is what it does by default), but leave 5 colors free. That way, when you try and create a widget, there are still colors left in the colortable.

Please note that this change doesn't take effect until you logout and log back on again :)

Joel

--

Joel D. Offenbergl |
Hughes STX / UIT Science Team | I get paid to stare into space.
offenbrgl@fondue.gsfc.nasa.gov |
Don't hold anyone responsible for what I say. I'm on my coffee break.

Subject: Re: IDL or OpenLook "feature"?
Posted by [jdlb](#) on Mon, 16 Aug 1993 22:05:57 GMT
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I described an IDL crash following the message
OPEN LOOK Toolkit Error in application "idl": Can't allocate gray pixel

offenbrgl@trifle.gsfc.nasa.gov (Joel Offenbergl) writes:

- > Add this to your .Xdefaults file (or .Xdefaults.opn or whatever you call it):
- > Idl*colors: -5

I already have that.

- > Please note that this change doesn't take effect until you logout and
- > log back on again :)

Unless you do 'xrdb -merge .xdefaults' :-)

hatay@spot.Colorado.EDU (Ferhat F. Hatay) writes:

- > I suggest reading openwin3.doc in idl/notes directory. It has some recipes
- > for fixing some titsy bitsy yet annoying behaviors under Sun OpenWindows
- > similar to yours.

This document also suggests the Idl*colors business.

I thank Messieurs Offenbergl and Hatay for their suggestions. I have changed Idl*colors to -10 for now, which will hopefully reduce crashes due to color table problems. I am more concerned about the mysterious segmentation faults and bus errors which occur now and then. Unfortunately, I can't reproduce these crashes at will. I can't even be sure my own machine isn't at fault. Sometimes I have IDL sessions going for days, with many variables added and deleted, which may complicate memory management issues. Also, I am not using OpenWindows directly--I'm using twm with X11R5 (and IDL 3.0.0).

--Jeff

Subject: Re: IDL or OpenLook "feature"?
Posted by [offenbrg](#) on Tue, 17 Aug 1993 16:25:56 GMT
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jdlb@kukui.ifa.hawaii.edu (J-F Pitot de La Beaujardiere) writes:

> I described an IDL crash following the message
> OPEN LOOK Toolkit Error in application "idl": Can't allocate gray pixel

> [offenbrg@trifle.gsfc.nasa.gov](#) (Joel Offenberg) writes:

>> Add this to your .Xdefaults file (or .Xdefaults.opn or whatever you call it):
>> Idl*colors: -5

> I already have that.

Hm. That fixed it when I was having the same problem.

Another potential problem arises if you have multiple IDL sessions running at one time on the same console, especially if they are coming from different hosts. I have no idea if that is your problem, however, but it is the only suggestion I have left.

Joel

--

Joel D. Offenberg |
Hughes STX / UIT Science Team | I get paid to stare into space.
[offenbrg@fondue.gsfc.nasa.gov](#) |
Don't hold anyone responsible for what I say. I'm on my coffee break.
